

DIAGNOSIS AND TREATMENT OF CHEMORESISTANT TUMORS

Publication number: JP2005529616 (T)

Publication date: 2005-10-06

Inventor(s):

Applicant(s):

Classification:

- international: G01N33/574; A61K35/26; A61K39/395; A61K45/00; A61P35/00; A61P43/00; C07K16/28; C12Q1/00; C12Q1/04; C12Q1/25; C12Q1/68; G01N33/15; G01N33/50; G01N33/574; A61K35/26; A61K39/395; A61K45/00; A61P35/00; A61P43/00; C07K16/18; C12Q1/00; C12Q1/04; C12Q1/25; C12Q1/68; G01N33/15; G01N33/50; (IPC-7): C12Q1/68; A61K35/26; A61K39/395; A61K45/00; A61P35/00; A61P43/00; C12Q1/04; C12Q1/25; G01N33/15; G01N33/574

- European: C07K16/28A28; C12Q1/68M6B; G01N33/50D2B

Application number: JP20040513743T 20030618

Priority number(s): US20020390256P 20020618; US20030456585P 20030321; WO2003US19492 20030618

Also published as:

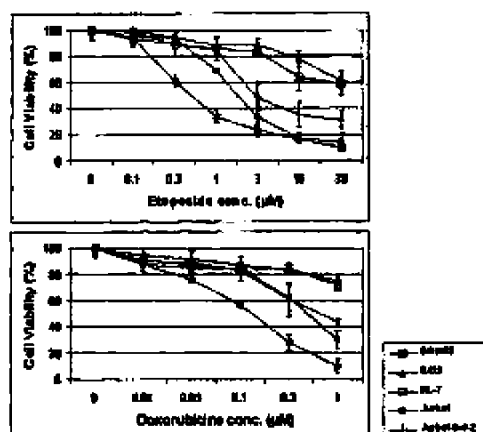
WO03106974 (A2)
WO03106974 (A3)
EP1551990 (A2)
EP1551990 (A4)
CA2489726 (A1)

more >>

Abstract not available for JP 2005529616 (T)

Abstract of corresponding document: **WO 03106974 (A2)**

This invention provides methods of identifying compounds that selectively target cancer cells that have defects in specific oncogenic pathways.



Data supplied from the **esp@cenet** database — Worldwide

(19) 日本国特許庁(JP)

(12) 公表特許公報(A)

(11) 特許出願公表番号

特表2005-529616

(P2005-529616A)

(43) 公表日 平成17年10月6日(2005.10.6)

(51) Int.Cl.⁷

F I

テーマコード (参考)

C 1 2 Q 1/68

C 1 2 Q 1/68

A

4 B 0 6 3

A 6 1 K 35/26

A 6 1 K 35/26

4 C 0 8 4

A 6 1 K 39/395

A 6 1 K 39/395

D

4 C 0 8 5

A 6 1 K 45/00

A 6 1 K 39/395

N

4 C 0 8 7

A 6 1 P 35/00

A 6 1 K 45/00

審査請求 未請求 予備審査請求 未請求 (全 35 頁) 最終頁に続く

(21) 出願番号 特願2004-513743 (P2004-513743)

(86) (22) 出願日 平成15年6月18日 (2003.6.18)

(85) 翻訳文提出日 平成17年2月21日 (2005.2.21)

(86) 国際出願番号 PCT/US2003/019492

(87) 国際公開番号 W02003/106974

(87) 国際公開日 平成15年12月24日 (2003.12.24)

(31) 優先権主張番号 60/390, 256

(32) 優先日 平成14年6月18日 (2002.6.18)

(33) 優先権主張国 米国 (US)

(31) 優先権主張番号 60/456, 585

(32) 優先日 平成15年3月21日 (2003.3.21)

(33) 優先権主張国 米国 (US)

(71) 出願人 503137300

アイアールエム エルエルシー

イギリス領バーミューダ諸島 エイチエム

エルエックス ハミルトン ビー・オー

・ボックス エイチエム 2899

(74) 代理人 100102978

弁理士 清水 初志

(74) 代理人 100108774

弁理士 橋本 一憲

(74) 代理人 100128048

弁理士 新見 浩一

(72) 発明者 デヴロー クイン エル.

アメリカ合衆国 カリフォルニア州 サン

ディエゴ フレームス ポート ブレイ

ス 11692

最終頁に続く

(54) 【発明の名称】 化学療法耐性腫瘍の診断および治療

.....

.....

.....

The image displays a large, rectangular grid of small black dots on a white background. The dots are arranged in a pattern that forms a stylized, blocky letter 'A'. The top of the 'A' is formed by a row of dots, and the two vertical strokes are also formed by rows of dots. The horizontal crossbar is formed by a row of dots. The interior of the 'A' is mostly empty, with some dots scattered within, giving it a sparse, digital appearance. The overall shape is roughly 100 dots wide and 50 dots high.

[illegible]

A 100x100 grid of dots. The dots are arranged in a regular pattern, with a 10x10 square of dots in the top-left corner. The dots are black and the background is white.

The image displays a large grid of dots arranged in a pattern that resembles a stylized letter 'E' or a series of horizontal lines. The dots are organized into rows and columns, with some rows being longer than others, creating a sense of depth and structure. The overall effect is a digital or pixelated representation of the letter 'E'.

This image shows a full page of dot grid paper. The dots are small, black, and arranged in a precise, repeating square pattern across the entire surface. There are no margins, text, or other markings present.

This image shows a full page of dot grid paper. The dots are arranged in a precise, repeating grid pattern across the entire surface. There are no margins, text, or other markings present. The dots are small, dark gray, and evenly spaced both horizontally and vertically.

A 100x100 grid of dots. The dots are arranged in a pattern that forms a large, stylized letter 'A' in the center. The 'A' is composed of a solid black shape. The background is white, with dots present in all areas except the solid black 'A' shape. The 'A' is approximately 20 units wide and 40 units high, centered horizontally and vertically. The top of the 'A' is a small triangle, and the bottom is a wide base. The sides of the 'A' are slightly curved inwards towards the top. The overall effect is a high-contrast, minimalist graphic on a dot grid.

A 20x20 grid of dots. A faint, large, light-gray watermark is visible in the background, reading "www.ck12.org". The watermark is oriented diagonally from the bottom-left to the top-right.

The image consists of a large grid of dots arranged in a regular pattern. There are several horizontal lines of dots, some of which are thicker than others. Additionally, there are some isolated dots scattered throughout the grid. The dots are black and the background is white.

A 100x100 grid of dots. The dots are arranged in a pattern that is dense in the center and sparse towards the edges. The pattern is complex and fractal-like, with a prominent vertical line of dots running down the middle. The dots are black on a white background.

This image shows a full page of dot grid paper. The dots are arranged in a precise, repeating grid pattern across the entire surface. There are no margins, text, or other markings present.

This image shows a full page of dot grid paper. The dots are arranged in a precise, repeating grid pattern across the entire surface. There are no margins, text, or other markings present.

[illegible]

[illegible]

[illegible]

A large grid of dots, approximately 100 columns wide and 100 rows high. The dots are arranged in a regular grid, but many dots are missing, creating a sparse pattern. The missing dots are concentrated in certain areas, such as the top right and bottom right, while other areas are more densely populated. The overall effect is a textured, almost abstract representation of a grid.

A 20x20 grid of dots. The dots are arranged in a regular grid pattern. Some dots are missing, creating various patterns and shapes. For example, there are several horizontal lines of dots, some vertical lines, and some clusters of dots that form larger shapes. The overall pattern is sparse and irregular, with many empty spaces between the dots.

A large grid of dots, approximately 100 columns wide and 100 rows high. The dots are arranged in a regular grid pattern, but many dots are missing, creating a sparse, irregular pattern. The missing dots are concentrated in certain areas, such as the top-left and bottom-right corners, and along some horizontal and vertical lines. The overall effect is a textured, almost abstract representation of a grid.

[illegible]

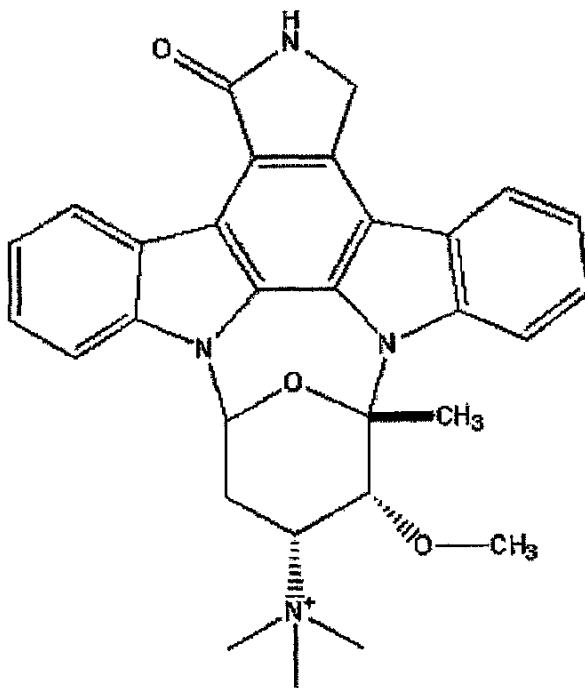
[illegible]

[illegible]

A large grid of dots forming a background pattern, with some dots missing or faded in certain areas, creating a sparse, abstract design. The dots are arranged in a regular grid, but there are several horizontal bands where the dots are missing or faded, creating a sense of depth and movement. The overall effect is a minimalist, geometric pattern that changes as the viewer's perspective shifts.

This image shows a full page of dot grid paper. The background is white, and it is covered with a regular pattern of small black dots. The dots are arranged in a precise grid, with equal spacing between them both horizontally and vertically. This type of paper is commonly used for sketching, journaling, and organizing ideas.

This image shows a full page of dot grid paper. The dots are arranged in a precise, repeating grid pattern across the entire surface. There are no margins, text, or other markings present. The dots are small, black, and evenly spaced both horizontally and vertically.



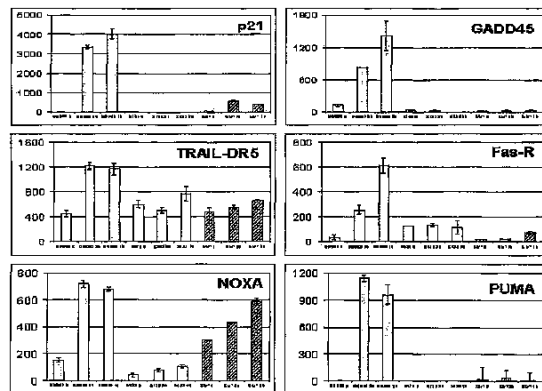
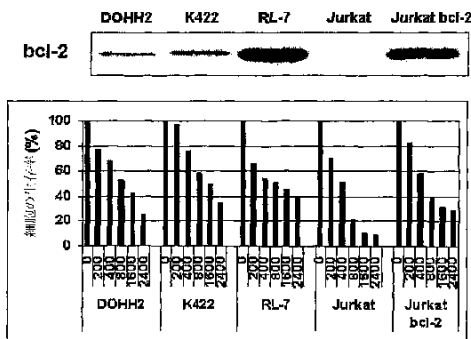
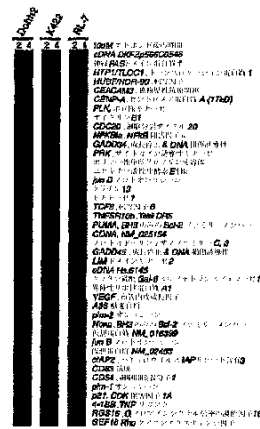
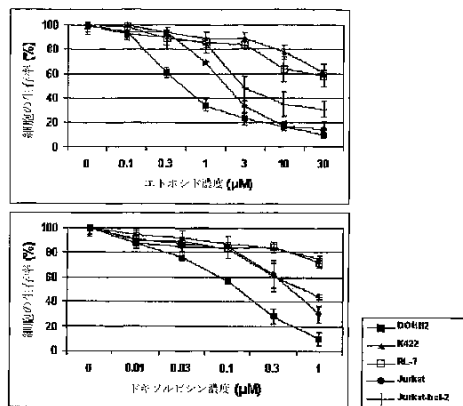
[illegible]

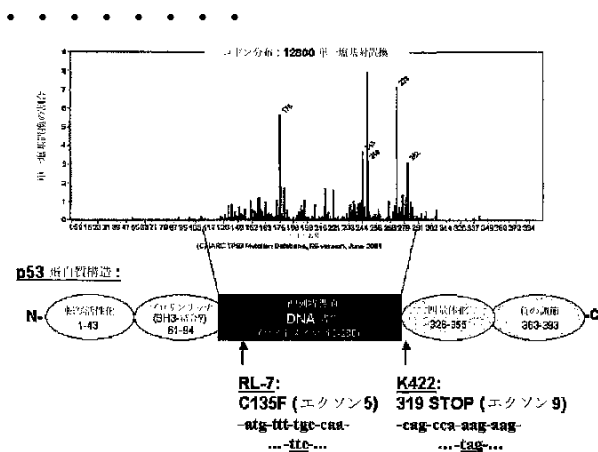
A 20x20 grid of dots. A horizontal line is drawn across the grid, starting from the left edge and ending at the 12th dot from the left. The line is positioned between the 10th and 11th rows. The dots in the 10th and 11th rows are highlighted in red. The dots in the 12th row are also highlighted in red. The dots in the 13th row are highlighted in red. The dots in the 14th row are highlighted in red. The dots in the 15th row are highlighted in red. The dots in the 16th row are highlighted in red. The dots in the 17th row are highlighted in red. The dots in the 18th row are highlighted in red. The dots in the 19th row are highlighted in red. The dots in the 20th row are highlighted in red.

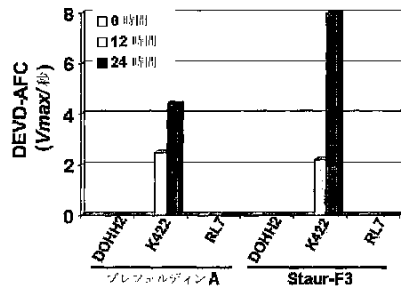
ホスファチジルイノシトール キナーゼ関連
H.s.マイトジェン活性化蛋白質キナーゼキナーゼ5(MAP3K5), mRNA
JIK-STE20様キナーゼ
H.s. MAPキナーゼと相互作用するセリン/スレオニンキナーゼ1(MKNK1), mRNA
ヒトKIAA0930蛋白質mRNA、部分的cds
H.s.マイトジェン活性化蛋白質キナーゼ活性化蛋白質キナーゼ2(MAPKAPK2)、転写物変異型1, mRNA
ホスファチジルイノシトールキナーゼ関連
H.s.マイトジェン活性化蛋白質キナーゼキナーゼ5(MAP2K5)
Q03533セリン/スレオニン蛋白質キナーゼ
Q62862セリン/スレオニンファミリーの蛋白質キナーゼ関連
H.s.サイクリン依存性キナーゼ6(CDK6), mRNA
H.s.アクチビンA受容体タイプII様1(ACVRL1), mRNA
H.s. Gardner-Rasheedネコ肉腫ウイルス(v-fgr)オンコジーンホモログ(FGR), mRNA
ヒトTGFβ誘導性核蛋白質TINP1(TINP1) mRNA、完全cds.
H.s.骨格筋、受容体チロシンキナーゼ(MUSK), mRNA
ヒトCGI-53蛋白質mRNA、完全cds.
H.s. ベンズイミダゾール非阻害出芽1(酵母ホモログ)(BUB1), mRNA
H.s.リボゾーム蛋白質S6キナーゼ、90kD、ポリペプチド5(RPS6KA5), mRNA
H.s. CDC様キナーゼ2(CLK2)転写物変異型phclk2, mRNA
2117904リボースリン酸ピロホスホキナーゼ関連
H.s. v-yes-1ヤマグチ肉腫ウイルス関連オンコジーンホモログ(LYN), mRNA
MAPK7: マイトジェン活性化蛋白質キナーゼ7
H.s. p21/Cdc42/Rac1-活性化キナーゼ1(酵母Ste20関連)(PAK1), mRNA
H.s. v-aktマウス胸腺腫ウイルスオンコジーンホモログ1(AKT1), mRNA
MAPK9: マイトジェン活性化蛋白質キナーゼ9
H.s.マイトジェン活性化蛋白質キナーゼキナーゼキナーゼ4(MAP4K4), mRNA
H.s. MEKキナーゼ1(MEKK1) mRNA、部分cds
ヒトCGI-06蛋白質mRNA、完全cds.
H.s. FAK関連GTPase調節因子
ヒトnemo様キナーゼ(LOC51701), mRNA
H.s. CHK1(チェックポイント、S.pombe)ホモログ(CHEK1), mRNA
H.s. tousled様キナーゼ(TLK1), mRNA
CALM3: カルモジュリン3(ホスホリラーゼキナーゼδ)
プレB細胞白血病転写因子1
ヒトcDNAFLJ20594 fls, クローンKAT08731
ヒト、CG8405遺伝子産物類似、クローンMGC:4022, mRNA、完全cds
未知の蛋白質キナーゼ
MAP蛋白質キナーゼ関連

染色体III中の仮説47.6 KD蛋白質に中程度に類似
H.s. p21 (CDKN1A)活性化キナーゼ4(PAK4), mRNA
H.s. v-erb-b2赤芽球性白血病ウイルスオンコジーンホモログ3(ERBB3), mRNA
ヒト胚肺蛋白質(HUEL) mRNA、完全cds.
H.s. グリコーゲンシンターゼキナーゼ3α(GSK3A), mRNA
DR4 trail受容体1
Bid
22番染色体にマッピングされるヒト新規遺伝子
H.s. Bリンパ系チロシンキナーゼ(BLK), mRNA
カスパーゼ8
Apaf-1
Fadd

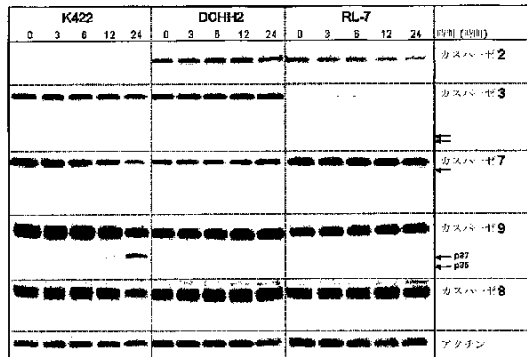
This image shows a full page of dot grid paper. The background is white, and it is covered with a regular pattern of small black dots. The dots are arranged in a precise grid, with equal spacing between them both horizontally and vertically. There are no margins, text, or other markings on the page.



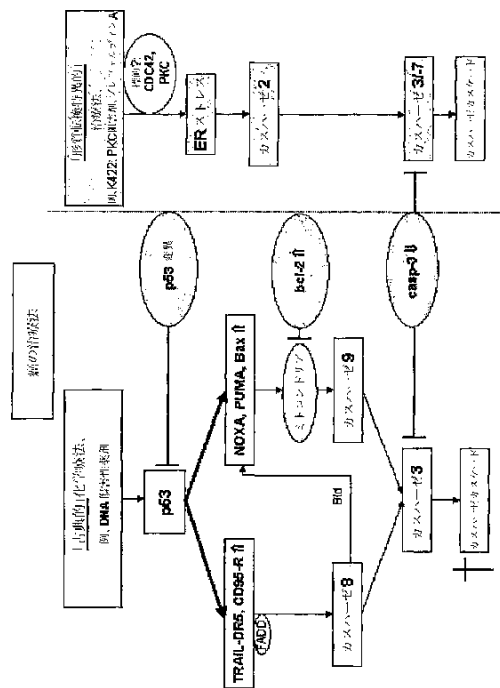
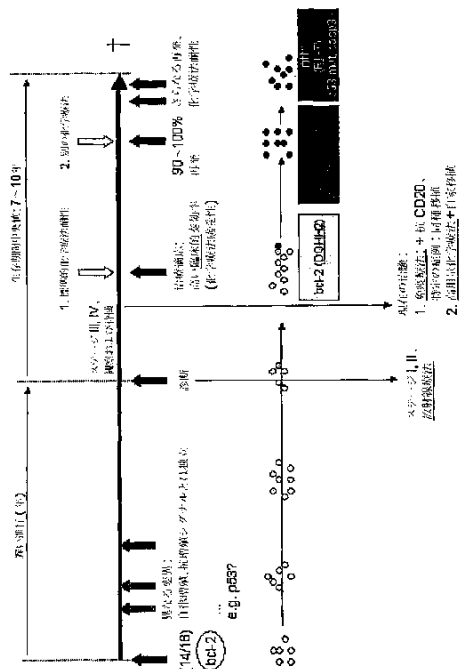
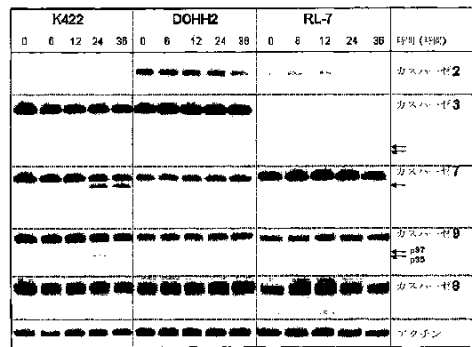




プレフェルディン A



Staur-F3



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/19492

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/00; G01N 33/48; A61K 49/00, 39/00

US CL : 435/4; 436/64; 424/9.1, 184.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/4; 436/64; 424/9.1, 184.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
MEDLINE, USPATENTS, WIPO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EVDOKIOU, A. et al. Chemotherapeutic Agents Sensitize Osteogenic Sarcoma Cells, But Not Normal Human Bone Cells, To APO2L/TRAIL-Induced Apoptosis. Int. J. Cancer. 01 June 2002, Vol. 98, pages 491-504, especially page 501.	1, 5, 7, 11
X	WANG, Q. et al. UCN-01: a Potent Abrogator of G2 Checkpoint Function in Cancer Cells With Disrupted p53. Jnl. Natl. Cancer Inst. 17 July 1996, Vol. 88, No. 14, pages	21-23
X	WO 99/09165 A1 (IDUN PHARMACEUTICALS, INC.) 25 February 1999 (25.02.1999), pages 28-31, 37	1, 11, 24,
Y		2-3
A	WO 98/41629 A2 (HUMAN GENOME SCIENCES, INC.) 24 September 1998 (24.09.1998) entire article.	1, 12, 24, 39
X	WO 96/31603 A2 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN) 10 October 1996 (10.10.1996) entire article, especially page 40.	43-45, 47-49

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

23 March 2004 (23.03.2004)

Date of mailing of the international search report

15 APR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Authorized officer

Gary B. Nickol Ph.D.

Telephone No. 703-308-0196

.....

.....
.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....